

DRAFT

New York State Department of Transportation  
Yellow Flag NB2358W022

By: Alex Abreu

Flag Date: June 20, 2023

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Not Contacted

Date:

Of:

Signature Information

Signature: Alex Abreu, P.E. 099761-1

Date: June 20, 2023

Reviewed By:

Date:

Attachments: 6

# DRAFT

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## Flagged Elements

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 262</b>			
	PR831 - Steel Beam End	38	each
<b>Span Number : 263</b>			
	107 - Steel Open Girder/Beam	1056	ft

## Flagged Condition Description

This Yellow Flag No. NB2358W022 is NEW.

Location: Span 263, Girder G15 at Pier 262.

### Description:

The end of Girder G15 in Span 263 at Pier 262 exhibits a 3" long vertical crack in the lower web adjacent to the connection angle (Photo #6). The remaining girder web exhibits moderate corrosion in the upper web at the top cope with no significant section loss throughout the girder height (Photos #4 and #5). (refer to Flag Condition Sketch Photo #2 for more details)

This is a newly flagged condition.

### Notes:

1. Adjacent Girder G14 exhibits no significant defects.
2. Adjacent Girder G16 exhibits up to 50% section loss in the upper web at the top cope for 9"H x 5"W along the connection angle with 1/2" pack rust between the girder web and connection angles at the top and bottom of the angles.
3. A 60ft bucket truck with single lane closure on 3rd Avenue WB roadway was required to access the platform spans at this girder location.
4. The previous 2021 Biennial Inspection Report did not have any defects documented at the flagged girder location.

## Flag Photographs

Photo Number: **1**

Photo Filename: **23\_Flag Location Plan.jpg**

Gowanus Expressway  
2023 Biennial Inspection - Field Sketch

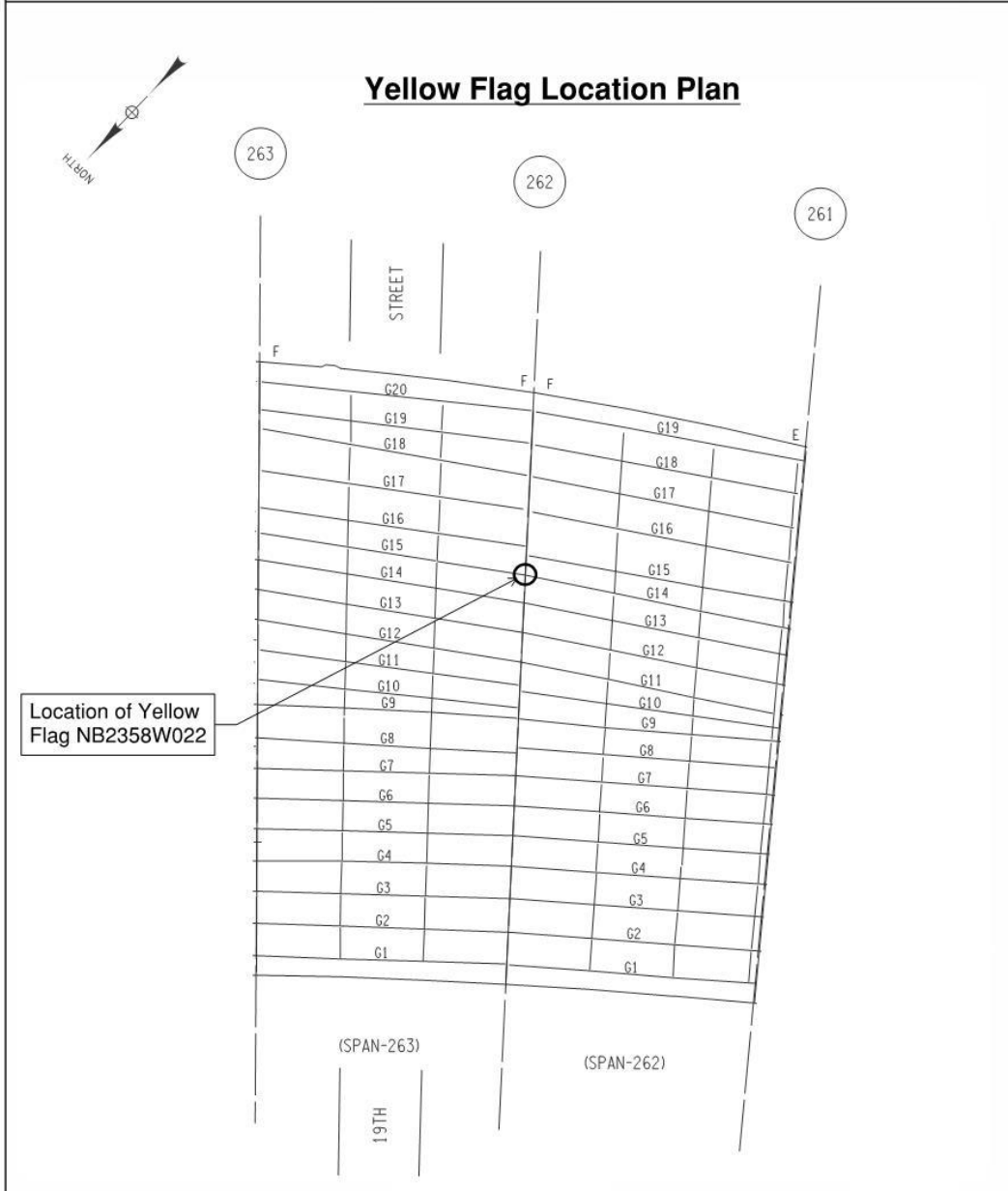
BIN: 1065318

Team: AA/TS

Date: 06/20/2023

Span: 263

Location: Girder G15 at Pier 262



wsp

Attachment Description: Flag Location Plan

DRAFT

Yellow Flag NB2358W022

BIN 1065318

Flag Date: June 20, 2023

Photo Number: 2

Photo Filename: 23\_Span 263\_Pier 262\_Girder G15\_Connection

Gowanus Expressway  
2023 Biennial Inspection - Field Sketch

BIN: 1065318

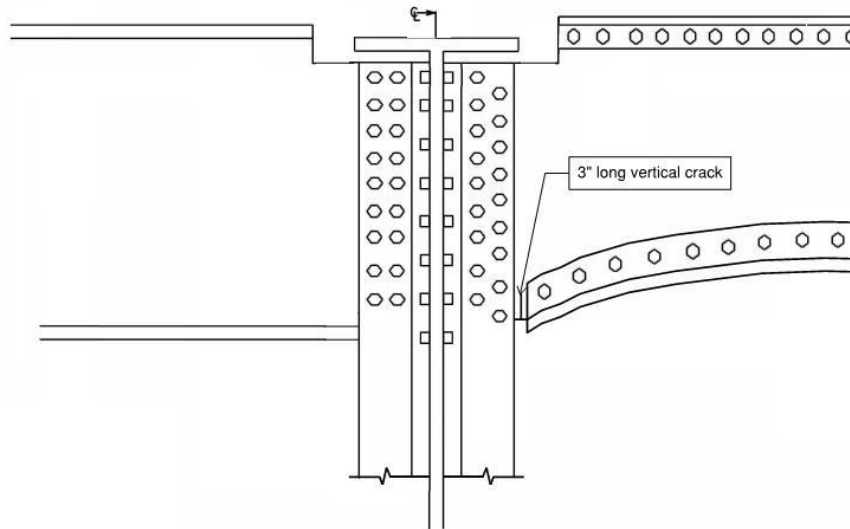
Team: AA/TS

Date: 06/20/2023

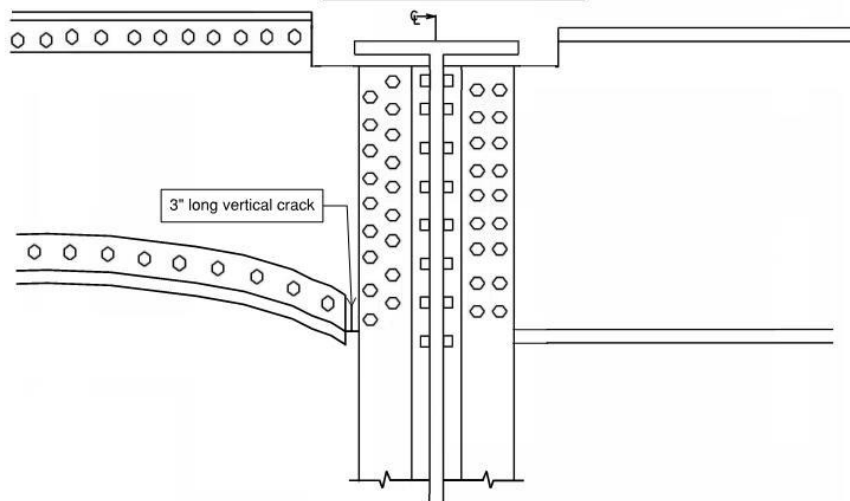
Span: 263

Location: Girder G15 at Pier 262

**Right Face of Girder G15**



**Left Face of Girder G15**



SCALE: N.T.S

wsp

**Attachment Description: Flag Condition Sketch**

# DRAFT

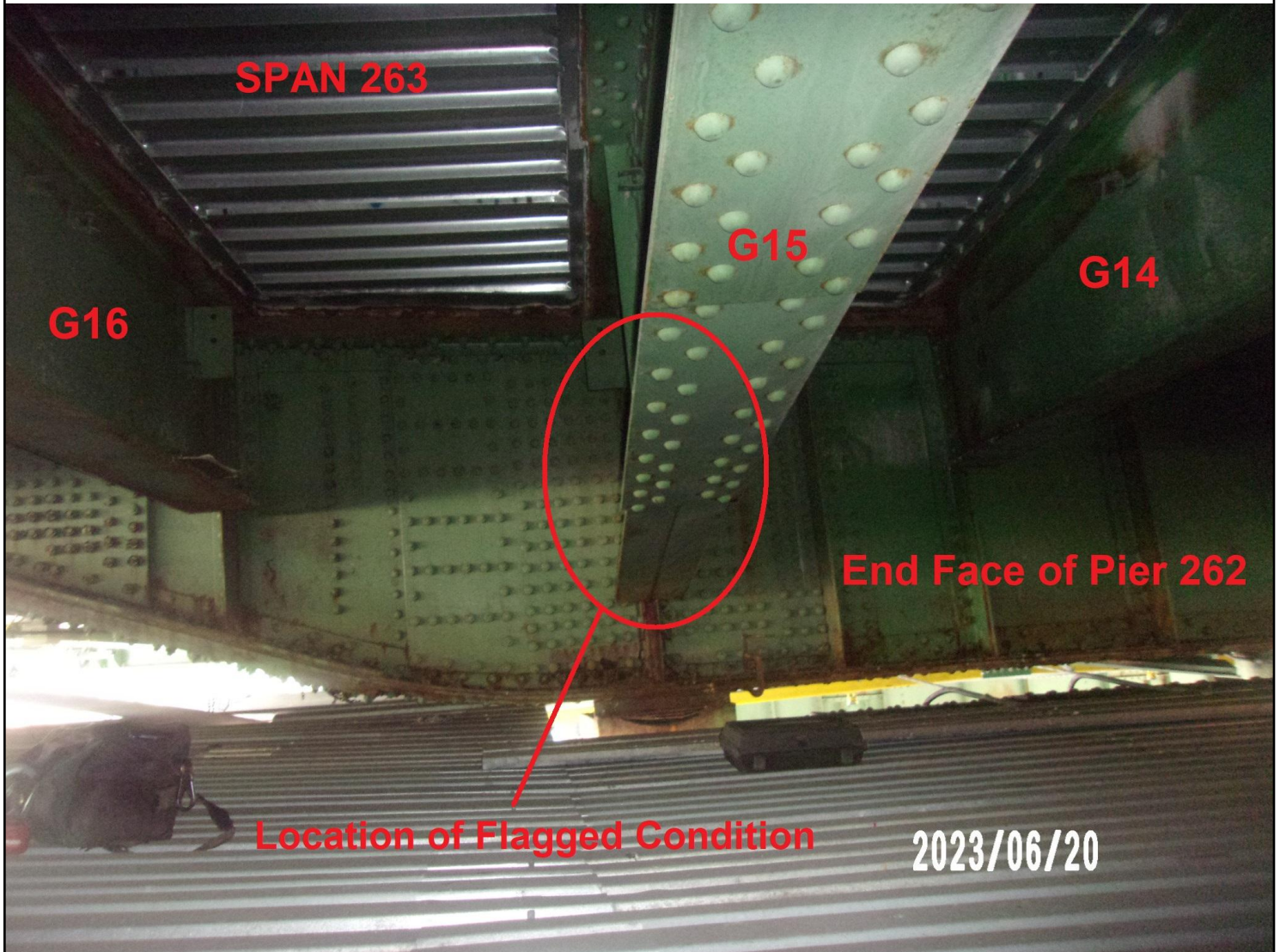
Yellow Flag NB2358W022

BIN 1065318

Flag Date: June 20, 2023

Photo Number: 3

Photo Filename: 23\_113\_7785.JPG



**Attachment Description:** General view of the flagged condition at Girder G15 in Span 263 at Pier 262. Looking Begin.



DRAFT

Yellow Flag NB2358W022

BIN 1065318

Flag Date: June 20, 2023

Photo Number: 4

Photo Filename: 23\_113\_7783.JPG



**Attachment Description:** The right face of Girder G15 in Span 263 at Pier 262. The upper web of the girder exhibits moderate corrosion with no significant section loss throughout the girder height. Looking Left.

# DRAFT

Yellow Flag NB2358W022

BIN 1065318

Flag Date: June 20, 2023

Photo Number: 5

Photo Filename: 23\_113\_7779.JPG



**Attachment Description:** The left face of Girder G15 in Span 263 at Pier 262. The upper web of the girder exhibits moderate corrosion with no significant section loss throughout the girder height. Looking Right.



DRAFT

Yellow Flag NB2358W022

BIN 1065318

Flag Date: June 20, 2023

Photo Number: 6

Photo Filename: 23\_113\_7777.JPG



**Attachment Description:** The left face of Girder G15 in Span 263 at Pier 262. The lower girder web exhibits a 3" long vertical crack adjacent to the connection angle. Looking Right.